

WHAT IS CLAIMED IS:

1. A video game device for playing a golf game that proceeds in response to a player's operation, comprising:

5 input means operated by the player;

 gauge display control means for displaying, with a constant length, a gauge used for determining a power for hitting a ball;

 cursor display control means for displaying a cursor
10 moving along the gauge;

 first determination means for determining the power based on a position of the cursor with respect to the gauge at a time of a predetermined operation of the input means;

 shot condition setting means for setting a shot condition
15 influencing a ball travel distance determined according to the power; and

 marker display control means for displaying a marker indicating one end of a moving range of the cursor along the gauge at a position according to the shot condition set by the shot
20 condition setting means.

2. The video game device according to claim 1, wherein when the cursor displayed by the cursor display control means reaches the marker, a moving direction of the cursor is reversed
25 so that the cursor thereafter moves in an opposite direction along

the gauge.

3. The video game device according to claim 1, wherein
when the cursor displayed by the cursor display control means
5 reaches the marker, the cursor jumps back to the other end of the
moving range and repeats moving in the same direction along the
gauge.

4. The video game device according to claim 2, wherein:
10 the cursor display control means continues to move the
cursor in the same direction along the gauge even after the power
is determined by the first determination means; and

the video game device comprises second determination
means for further determining, after the power is determined by
15 the first determination means, another shot parameter based on
a position of the cursor with respect to the gauge at a time of
a predetermined operation of the input means.

5. The video game device according to claim 1, further
20 comprising difficulty table storing means for pre-storing, as a
difficulty table, a data table defining a numerical difficulty
level associated with each shot condition that can be set in the
golf game so that each difficulty level reflects that in real golf
under the associated shot condition,

25 wherein the marker display control means retrieves, from

the difficulty table, a value associated with the shot condition set by the shot condition setting means, and determines the position of the marker based on the retrieved value.

5 6. The video game device according to claim 5, wherein the marker display control means displays the marker at a position closer to a starting position of the cursor for a difficulty level indicated by the retrieved value as higher.

10 7. The video game device according to claim 5, wherein:
the difficulty table defines a value for each lie indicating a condition of a ground on which a ball is lying;
the shot condition setting means sets at least the lie before a shot as the shot condition; and
15 the marker display control means retrieves, from the difficulty table, a value associated with the lie before a shot, and determines the position of the marker based on the retrieved value.

20 8. The video game device according to claim 7, wherein:
the difficulty table further defines a value for each combination of the lie and a club that can be selected in the golf game;
the shot condition setting means sets at least a
25 combination of the lie before a shot and a club selected for the

shot as the shot condition; and

the marker display control means retrieves, from the difficulty table, a value associated with the combination of the lie before the shot and the selected club, and determines the position of the marker based on the retrieved value.

9. The video game device according to claim 5, wherein:

the difficulty table defines a value for each environmental factor of a hole played;

the shot condition setting means sets at least an environmental factor of a hole currently being played as the shot condition; and

the marker display control means retrieves, from the difficulty table, a value associated with the environmental factor of the hole being played, and determines the position of the marker based on the retrieved value.

10. The video game device according to claim 5, further comprising cursor speed calculation means for calculating a speed of a cursor moving along the gauge, wherein:

the cursor speed calculation means retrieves, from the difficulty table, a value associated with a shot condition set by the shot condition setting means, and calculates the speed based on the retrieved value; and

the cursor display control means moves the cursor along

the gauge based on the speed calculated by the cursor speed calculation means.

11. The video game device according to claim 1, further
5 comprising character table storing means for pre-storing, as a character table, a data table defining a numerical shot characteristic associated with each combination of a character that can be used in the golf game and a shot condition that can be set in the golf game,

10 wherein the marker display control means retrieves, from the character table, a value associated with the combination of a character making a shot and a shot condition set by the shot condition setting means, and determines the position of the marker based on the retrieved value.

15 12. The video game device according to claim 11, wherein:
the character table defines a value for each combination of a lie indicating a condition of a ground on which a ball is lying and a character; and

20 the marker display control means retrieves, from the character table, a value associated with a combination of the lie before a shot and a character making the shot, and determines the position of the marker based on the retrieved value.

25 13. The video game device according to claim 1, wherein:

at least if a condition of a ground on which a ball is lying at a time a shot is to be taken is a rough or a bunker, the shot condition setting means sets, as the shot condition, the ground condition being a rough or a bunker; and

5 the marker display control means displays the marker at a position closer to a starting position of the cursor if the ground condition is a rough or a bunker.

14. A video game device for playing a golf game that
10 proceeds in response to a player's operation, comprising:

input means operated by the player;

gauge display control means for displaying, with a constant length, a gauge used for determining a power for putting a ball;

15 cursor display control means for displaying a cursor moving along the gauge;

determination means for determining the power based on a position of the cursor with respect to the gauge at a time of a predetermined operation of the input means;

20 putt condition setting means for setting a putt condition influencing a ball travel distance determined according to the power; and

marker display control means for displaying a marker indicating one end of a moving range of the cursor along the gauge
25 at a position according to the putt condition set by the putt

condition setting means.

15. The video game device according to claim 14, wherein:

at least if a condition of a ground on which a ball is
5 lying at a time a putt is to be taken is a green, the putt condition
setting means sets, as the putt condition, a speed at which the
ball rolls on the green; and

the marker display control means displays the marker
at a position closer to a starting position of the cursor if the
10 speed of the ball is higher than a predetermined value.

16. A video game device for playing a golf game that
proceeds in response to a player's operation, comprising:

input means operated by the player;

15 gauge display control means for displaying, with a
constant length, a gauge used for determining a power for hitting
a ball;

filling means for gradually filling an inside of the
gauge in a predetermined direction;

20 determination means for determining the power based on
a position of a front end of a filled area filled by the filling
means with respect to the gauge at a time of a predetermined operation
of the input means;

shot condition setting means for setting a shot condition
25 influencing a ball travel distance determined according to the

power; and

turning point marker display control means for
displaying a turning point marker at a position according to the
shot condition set by the shot condition setting means, the turning
5 point marker indicating a position at which a direction of a filling
operation by the filling means is reversed,

wherein the filling means reverses the direction of the
filling operation when the front end of the filled area reaches
the turning point marker.

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17. A video game device for playing a game in which an
object is moved in response to a player's operation, comprising:

input means operated by the player;

15 gauge display control means for displaying, with a
constant length, a gauge used for determining a power for moving
the object;

cursor display control means for displaying a cursor
moving along the gauge;

20 determination means for determining the power based on
a position of the cursor with respect to the gauge at a time of
a predetermined operation of the input means;

object moving condition setting means for setting an
object moving condition influencing an object travel distance
determined according to the power; and

25 marker display control means for displaying a marker

indicating one end of a moving range of the cursor along the gauge at a position according to the object moving condition set by the object moving condition setting means.

5 18. A storage medium storing a video game program to be executed by a computer for playing a golf game that proceeds in response to a player's operation, the video game program instructing the computer to perform:

 a gauge display control step of displaying, with a
10 constant length, a gauge used for determining a power for hitting a ball;

 a cursor display control step of displaying a cursor moving along the gauge;

 a first determination step of determining the power based
15 on a position of the cursor with respect to the gauge at a time of a predetermined operation of an input section by the player;

 a shot condition setting step of setting a shot condition influencing a ball travel distance determined according to the power; and

20 a marker display control step of displaying a marker indicating one end of a moving range of the cursor along the gauge at a position according to the shot condition set in the shot condition setting step.

25 19. The storage medium storing the video game program

according to claim 18, wherein when the cursor displayed in the cursor display control step reaches the marker, a moving direction of the cursor is reversed so that the cursor thereafter moves in an opposite direction along the gauge.

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20. The storage medium storing the video game program according to claim 18, wherein when the cursor displayed in the cursor display control step reaches the marker, the cursor jumps back to the other end of the moving range and repeats moving in
10 the same direction along the gauge.

21. The storage medium storing the video game program according to claim 19, wherein:

the cursor display control step continues to move the
15 cursor in the same direction along the gauge even after the power is determined in the first determination step; and

the video game program instructs the computer to perform a second determination step of further determining, after the power is determined in the first determination step, another shot
20 parameter based on a position of the cursor with respect to the gauge at a time of a predetermined operation of the input section.

22. The storage medium storing the video game program according to claim 18, wherein:

25 the video game program instructs the computer to further

perform a difficulty table storing step of pre-storing, as a difficulty table, a data table defining a numerical difficulty level associated with each shot condition that can be set in the golf game so that each difficulty level reflects that in real golf
5 under the associated shot condition; and

the marker display control step retrieves, from the difficulty table, a value associated with the shot condition set in the shot condition setting step, and determines the position of the marker based on the retrieved value.

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23. The storage medium storing the video game program according to claim 22, wherein the marker display control step displays the marker at a position closer to a starting position of the cursor for a difficulty level indicated by the retrieved
15 value as higher.

24. The storage medium storing the video game program according to claim 22, wherein:

the difficulty table defines a value for each lie
20 indicating a condition of a ground on which a ball is lying;

the shot condition setting step sets at least the lie before a shot as the shot condition; and

the marker display control step retrieves, from the difficulty table, a value associated with the lie before a shot,
25 and determines the position of the marker based on the retrieved

value.

25. The storage medium storing the video game program according to claim 24, wherein:

5 the difficulty table further defines a value for each combination of the lie and a club that can be selected in the golf game;

 the shot condition setting step sets at least a combination of the lie before a shot and a club selected for the
10 shot as the shot condition; and

 the marker display control step retrieves, from the difficulty table, a value associated with the combination of the lie before the shot and the selected club, and determines the position of the marker based on the retrieved value.

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26. The storage medium storing the video game program according to claim 22, wherein:

 the difficulty table defines a value for each environmental factor of a hole played;

20 the shot condition setting step sets at least an environmental factor of a hole currently being played as the shot condition; and

 the marker display control step retrieves, from the difficulty table, a value associated with the environmental factor
25 of the hole being played, and determines the position of the marker

based on the retrieved value.

27. The storage medium storing the video game program according to claim 22, wherein:

5 the video game program instructs the computer to further perform a cursor speed calculation step of calculating a speed of a cursor moving along the gauge;

 the cursor speed calculation step retrieves, from the difficulty table, a value associated with a shot condition set
10 in the shot condition setting step, and calculates the speed based on the retrieved value; and

 the cursor display control step moves the cursor along the gauge based on the speed calculated in the cursor speed calculation step.

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28. The storage medium storing the video game program according to claim 18, wherein:

 the video game program instructs the computer to further perform a character table storing step of pre-storing, as a
20 character table, a data table defining a numerical shot characteristic associated with each combination of a character that can be used in the golf game and a shot condition that can be set in the golf game; and

 the marker display control step retrieves, from the
25 character table, a value associated with the combination of a

character making a shot and a shot condition set in the shot condition setting step, and determines the position of the marker based on the retrieved value.

5 29. The storage medium storing the video game program according to claim 28, wherein:

the character table defines a value for each combination of a lie indicating a condition of a ground on which a ball is lying and a character; and

10 the marker display control step retrieves, from the character table, a value associated with a combination of the lie before a shot and a character making the shot, and determines the position of the marker based on the retrieved value.

15 30. The storage medium storing the video game program according to claim 18, wherein:

at least if a condition of a ground on which a ball is lying at a time a shot is to be taken is a rough or a bunker, the shot condition setting step sets, as the shot condition, the ground
20 condition being a rough or a bunker; and

the marker display control step displays the marker at a position closer to a starting position of the cursor if the ground condition is a rough or a bunker.

25 31. A storage medium storing a video game program to

be executed by a computer for playing a golf game that proceeds in response to a player's operation, the video game program instructing the computer to perform:

5 a gauge display control step of displaying, with a constant length, a gauge used for determining a power for putting a ball;

a cursor display control step of displaying a cursor moving along the gauge;

10 a determination step of determining the power based on a position of the cursor with respect to the gauge at a time of a predetermined operation of an input section by the player;

a putt condition setting step of setting a putt condition influencing a ball travel distance determined according to the power; and

15 a marker display control step of displaying a marker indicating one end of a moving range of the cursor along the gauge at a position according to the putt condition set in the putt condition setting step.

20 32. The storage medium storing the video game program according to claim 31, wherein:

at least if a condition of a ground on which a ball is lying at a time a putt is to be taken is a green, the putt condition setting step sets, as the putt condition, a speed at which the
25 ball rolls on the green; and

the marker display control step displays the marker at a position closer to a starting position of the cursor if the speed of the ball is higher than a predetermined value.

5 33. A storage medium storing a video game program to be executed by a computer for playing a golf game that proceeds in response to a player's operation, the video game program instructing the computer to perform:

10 a gauge display control step of displaying, with a constant length, a gauge used for determining a power for hitting a ball;

 a filling step of gradually filling an inside of the gauge in a predetermined direction;

15 a determination step of determining the power based on a position of a front end of a filled area filled in the filling step with respect to the gauge at a time of a predetermined operation of an input section by the player;

20 a shot condition setting step of setting a shot condition influencing a ball travel distance determined according to the power; and

 a turning point marker display control step of displaying a turning point marker at a position according to the shot condition set in the shot condition setting step, the turning point marker indicating a position at which a direction of a filling operation
25 in the filling step is reversed,

wherein the filling step reverses the direction of the filling operation when the front end of the filled area reaches the turning point marker.

5 34. A storage medium storing a video game program to be executed by a computer for playing a game in which an object is moved in response to a player's operation, the video game program instructing the computer to perform:

10 a gauge display control step of displaying, with a constant length, a gauge used for determining a power for moving the object;

 a cursor display control step of displaying a cursor moving along the gauge;

15 a determination step of determining the power based on a position of the cursor with respect to the gauge at a time of a predetermined operation of an input section by the player;

 an object moving condition setting step of setting an object moving condition influencing an object travel distance determined according to the power; and

20 a marker display control step of displaying a marker indicating one end of a moving range of the cursor along the gauge at a position according to the object moving condition set in the object moving condition setting step.